

IN THE CLAIMS

Please amend the claims as follows:

1. (Original): A method for transmitting a control signal to an option pad of an integrated circuit chip at its package level comprising the steps of:

electrically isolating one of a plurality of commonly connected power transmitting pins of the integrated circuit package;

connecting the electrically isolated power transmitting pin to the option pad to thereby transmit a control signal from outside through the electrically isolated power transmitting pin to the option pad.

2. (Original): The method, as defined in claim 1, wherein the commonly connected power transmitting pins is connected to ground.

3. (Original): The method, as defined in claim 1, wherein the commonly connected power transmitting pins is connected to a power supply.

4. (Original): The method, as defined in claim 1, wherein the option pad is a pad for performing a burn-in test at the package level.

5. (Original): The method, as defined in claim 1, wherein the control signal is an external signal to perform a burn-in test at the package level.

6. (Original): The method, as defined in claim 1, wherein the control signal is an external signal to perform one of burn-in test, input/output test, and parallel bit test.

7. (Original): The method, as defined in claim 1, wherein the integrated circuit package includes a ball grid array pin arrangement.

8. (Original): The method, as defined in claim 1, wherein the integrated circuit chip includes a static random access memory device.

9. (Currently Amended): An integrated circuit package having an integrated circuit chip, comprising:

the integrated circuit chip being mounted in the integrated circuit package -comprising an option pad and a plurality of power pads connected with power lines connected to an internal circuit;

~~power transmitting group pins connected to the power pads of a plurality of power transmitting pins assigned and formed at the integrated circuit package; and~~

~~at least one signal transmitting pin connected to the option pad but electrically isolated from the power transmitting group pins for transmitting a test control signal to the option pad~~ a plurality of power transmitting pins formed at the IC package level, where at least one of the power transmitting pins is electrically isolated from the other power transmitting pins and connected to the option pad to transmit a test control signal to the option pad.

10. (Original): The structure, as defined in claim 9, wherein the power pads are ground voltage pads when the power transmitting pins are ground voltage pins.

11. (Currently Amended): The structure, as defined in claim 9, wherein the power pads are power supply voltage pads when the power transmitting ~~group~~ pins are supply power voltage pins.

12. (Original): The structure, as defined in claim 9, wherein the option pad is a pad for performing a burn-in test at the package level.

13. (Original): The structure, as defined in claim 9, wherein the control signal is an external signal to perform a burn-in test at the package level.

14. (Original): The structure, as defined in claim 9, wherein the control signal is an external signal to perform one of burn-in test, input/output test, and parallel bit test.

15. (Original): The structure, as defined in claim 9, wherein the integrated circuit package includes a ball grid array pin arrangement.

16. (Original): The structure, as defined in claim 9, wherein the integrated circuit chip includes a static random access memory device.

17. (Original): The structure, as defined in claim 9, wherein the option pad includes an electric static discharge circuit.

18. (Original): The structure, as defined in claim 9, wherein the option pad includes a keeper circuit to prevent a false operation of a device when the signal transmitting pin is open.

19. (Original): The structure, as defined in claim 9, wherein the internal circuit is constructed with an option receiver having an inverter structure.

20. (Original): A method for performing a test by controlling an internal circuit of a package chip at the package level, comprising the steps of:

connecting a power transmitting pin to an option pad, the option pad being accessible only at the wafer level;

isolating the power transmitting pin from a plurality of power transmitting pins commonly connected to one of power and ground; and

transmitting a test control signal to the option pad through the power transmitting pin.

21. (Previously Added): The method, as defined in claim 1, further comprising the step of preventing a false operation of a device when the electrically isolated power transmitting pin is open.

22. (Previously Added): The method, as defined in claim 20, further comprising the step of preventing a false operation of a device when the electrically isolated power transmitting pin is open.